BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Package-1, includes 10 works of Rs.80.00 Lakhs 1) Addition and alteration works and construction of Tiolet at Existing Help point building at Hegdenagara in Ward No. 06 Byatarayanapura Sub Division 2)Construction of Lead of Drains to Connect storm water drains at Bhagyashree layout, in Ward no.06 Byatarayanapura Sub Division 3)Constructing Drains in Hegadenagara Hindu Burial Ground in Ward no . 06 Byatarayanapura Sub Division 4)Construction of toilets in Dasarahalli in ward No. 06 Byatarayanapura Sub Division 5)Detailed Estimate for the Work of Repairs and Maintenance of Existing Dry waste collection center Building at Hegdenagara in Ward No. 06 Byatarayanapura Sub Division 6)Maintenance of community property including parks in ward no 07 byatarayanapura 7)Improvements to footpath of vinayaka layout 1st stage main road in ward no.07, Byatarayanapura 8)Maintenance of general/public toilets in Ward No. 07 Byatarayanapura. 9)Maintenance of crematorium burial grounds and office maintenance in ward No.07 byatarayanapura. 10)Desilting of Storm Water Drains in ward no:07 Byatarayanapura

RATE ANALYSIS

Agency	**Sri Gopi Reddy, #03, 1st cross, 1st main, Ramachandrappa layout, Veeramna palya, Arabic college(P), Bangalore-560045**
Approved Amount	**6672719.70**
Name of Contractor:-	**Sri Gopi Reddy**
Tender premium:-	**(-) 6.36 % (Below)**

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	T.P (-)6.36%	Final Rate.
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications.	Cum	Pg No.06 of KPWD S.R 2018-19	2.3	299.00	0	299.00	23.92	322.92	-20.54	302.38
3	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. With Area Weightage @ 8%	cum	Pg No.13 of KPWD S.R 2018-19	4.3	5102.00	0	5102.00	408.16	5510.16	-350.45	5159.71
5	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications.	cum	Pg No.25 of KPWD S.R 2018-19	5.50	4494.00	0	4494.00	359.52	4853.52	-308.68	4544.84

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	T.P (-)6.36%	Final Rate.
7	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications.	Cum	Pg No.13 of KPWD S.R 2018-19	4.11	5659.00	0	5659.00	452.72	6111.72	-388.71	5723.015
8	KSRB 4.9.2.providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.	tonne	Pg No.18of KPWD S.R 2018-19	4.46	78007.00	0	78007.00	6240.56	84247.56	-5358.14	78889.42
14	KSRB 15-3.7:- Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	Pg No.116 of KPWD S.R 2018-19	15.15	276.00	0	276.00	22.08	298.08	-18.96	279.12
20	KSRB 15.15.3: Providing and applying painting in one coat with plastic emulsion paint of approved brand and manufacture on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications.	Sqm	Pg No.119 of KPWD S.R 2018-19	15.52	56.00	0	56.00	4.48	60.48	-3.85	56.63

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	T.P (-)6.36%	Final Rate.
50	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	Pg No.13 of KPWD S.R 2018-19	4.5	5328.00	0	5328.00	426.24	5754.24	-365.97	5388.27
89	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	Pg No.27 of KPWD S.R 2018-19	5.27.1	912.00	0	912.00	72.96	984.96	-62.64	922.32
	EIRL ITEM										
E1	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons	Sqm	Pg No 16 of KPWD S.R 2018-19	4.28	258.00	-	258.00	20.64	278.64	-17.72	260.92

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	T.P (-)6.36%	Final Rate.
E2	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum.coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate	Cum	Pg No 176 of KPWD S.R 2018-19	22.6.1	5315.38	-	5315.38	425.2304	5740.61	-365.10	5375.51

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	T.P (-)6.36%	Final Rate.
E3	Fabricating, supplying and erecting M.S. Tubular Truss of all spans as per approved drawing and design with prefabricated steel application using quality material and are durable, reliable and corrosion and abrasion resistant.Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design guage and polish. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S pipes and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification.	kgs	Pg No 43 of KPWD S.R 2018-19	7.29	111.00	-	111.00	8.88	119.88	-7.62	112.26
E4	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses	Sqm	Pg No 300 of KPWD S.R 2018-19	38.3	688.00	-	688.00	55.04	743.04	-47.26	695.78

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	T.P (-)6.36%	Final Rate.
E5	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification.	Sqm	Pg No 69 of KPWD S.R 2018-19	10.5.1	526.00	-	526.00	42.08	568.08	-36.13	531.95
E6	KSRB15-5.2 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:6, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	Pg No 117of KPWD S.R 2018-19	15.31	192.00	-	192.00	15.36	207.36	-13.19	194.17
E7	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.	Sqm	Pg No 7 of KPWD S.R 2018-19	2.15	2429.00	-	2429.00	194.32	2623.32	-166.84	2456.48

Asst Engineer

Executive Engineer
Byatarayanapura Division
Yelahanka Zone BBMP

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